

PATENT ABSTRACTS OF JAPAN

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(54) OVERCOAT FOR LIPSTICK

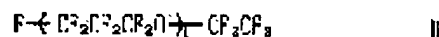
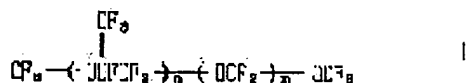
(57)Abstract:

PURPOSE: To provide a lipstick overcoat to be applied to rouged lips to remarkably improve the durability of the make-up effect of lipstick and suppress the adhesion of lipstick to tableware, etc.

CONSTITUTION: The objective overcoat contains (A) 75-99.8wt.% (preferably 80-99wt.%) of a perfluoropolyether of formula I (R1 to R5 are F, perfluoroalkyl or oxyperfluoroalkyl; p, q and r are integers of ≥ 0 giving a molecular weight of 500-10,000) preferably having a viscosity of 5-5,000cSt, e.g. the compound of formula II (m and n are numbers to give a molecular weight of 500-10,000 and n/m is 0.2-2) or formula III (l is 4-500) and (B) 0.2-25wt.% (preferably 1-20wt.%) of silica powder and/or alumina powder. The

lipstick overcoat exhibits its effect immediately after application and the so-called color-spread comprising the loss of boundary sharpness with time can be suppressed by the overcoat.

Furthermore, the lipstick overcoat is easily usable because of its pasty form.



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2. **** shows the word which can not be translated.
3. In the drawings, any words are not translated.

DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001]

[Industrial Application] By having applied the lip stick upwards and applying still in detail, about a lip-stick overcoat, this invention improves the durability of the lip stick makeup effect, and relates to the lip-stick overcoat which suppresses the adhesion to tableware etc.

[0002]

[Description of the Prior Art] Conventionally, the lip-stick overcoat is offered as goods aiming at the durability of the lip stick makeup effect, an improvement of gloss, etc. These lip-stick overcoats were the things of the shape of powdered or a press the bottom as the principal component about the thing which uses for a drainage system or an alcoholic system the property of the high molecular compound which blends high molecular compounds, silicone oil, etc., such as a cellulose system high molecular compound, a vinyl system resin, and an acrylic resin, and is blended, or the fine particles which mixed the oil content (JP,61-12883,B, JP,61-24512,A).

[0003] However, the conventional lip-stick overcoat was not what it can be satisfied [with preventing the adhesion (*****) to lip stick tableware etc.] of enough. Moreover, while a powdered thing will have bad usability and nonuniformity will appear in an effect by the method of an application, there was stickiness in a feeling of use and the thing of the type which blends a high molecular compound etc. had a problem also in the organic-functions side.

[0004] For this reason, the durability of the lip stick makeup effect has been improved, lip stick ***** could be stopped, and a lip-stick overcoat which was moreover excellent in usability was desired.

[0005] On the other hand, the charge of makeup which a perfluoro polyether is the liquid oily medicine of the fluorine system excellent in water repellence and oil repellency, and applied this is known (JP,63-107911,A, JP,3-246211,A, JP,3-246212,A, JP,3-264511,A, etc.). However, the attempt which applies this to a lip-stick overcoat is not yet made.

[0006]

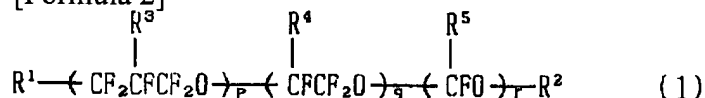
[Means for Solving the Problem] in this actual condition, if the amount combination of specification of the specific fine particles was carried out at the perfluoro polyether as a result of inquiring wholeheartedly, the durability of the lip stick makeup effect will have been improved, this invention persons stopped the adhesion and color bleeding which it is in lip stick tableware etc., found out that the lip-stick overcoat which can moreover be used simple was obtained, and completed this invention

[0007] Component [following] (a) That is, this invention reaches (b).

(a) General formula (1)

[0008]

[Formula 2]



[0009] (That R1, R2, R3, R4, and R5 are the same or 0 or more [which it differs, a fluorine atom, a perfluoroalkyl machine or an oxy-perfluoroalkyl machine is shown, respectively, and p, q, and r give molecular weight 500-10,000] integers are shown among a formula.) However, there are not $p=q=r=0$ and a bird clapper.

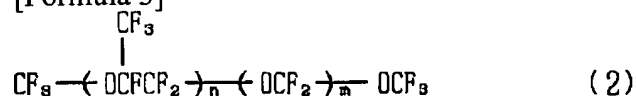
Perfluoro polyether come out of and expressed 75 - 99.8 % of the weight (b) silica powder, and/or alumina powder The lip-stick overcoat characterized by containing 0.2 - 25 % of the weight is offered.

[0010] The perfluoro polyether of the (a) component used by this invention is expressed with the aforementioned general formula (1), has water repellence and oil repellency, and is a nonvolatile liquid at a room temperature (about 25 degrees C).

[0011] Among these, the perfluoro polyether of 5-5,000cSt has especially desirable viscosity, for example, it is the following general formula (2).

[0012]

[Formula 3]



[0013] as what is expressed with (m and n show among a formula the number which gives molecular weight 500-10,000, and n/m is 0.2-2), and commercial elegance -- FOMBLIN HC-04 -- said -- HC-25, this HC-R (above, Montefluos make), etc. and the following general formula (3)

[0014]

[Formula 4]



[0015] as what is expressed with (l shows the number of 4-500 among a formula), and commercial elegance -- Demnum S-20 -- said -- S-65 -- said -- S-100 -- said -- S-200 (Daikin Industries, LTD. make) etc. is mentioned

[0016] These perfluoro polyether is preferably blended 80 to 99% of the weight 75 to 99.8% of the weight during [all] composition. At less than 75 % of the weight, since the loadings of the (b) component will decrease too much if usability exceeds 99.8 % of the weight well, it is not desirable.

[0017] Moreover, Syloid 55 (product made from Fuji DEVISON Chemistry), erotic JIRU 200 and 300, R-972, R-974 (made in Un-2 Chemicals), alumina AKS-G, AKP-30, AKP-GM (Sumitomo Chemical Co., Ltd. make), etc. can be suitably used for the silica powder and alumina powder of the (b) component that what is necessary is just what is used for the usual charge of makeup.

[0018] These silica powder and alumina powder can be used combining independent or two sorts or more, and are preferably blended one to 20% of the weight 0.2 to 25% of the weight during [all] composition. At less than 0.2 % of the weight, since it will be hard coming to apply if a remarkable effect is not acquired but it exceeds 25 % of the weight, it is not desirable.

[0019] Furthermore, it is a book about oily medicines for cosmetics, such as the component used for the charge of the usual makeup besides the aforementioned indispensable component in this invention, for example, a hydrocarbon, higher-fatty-acid ester, animal-and-vegetable-oils fat, and silicone, a surfactant, an antioxidant, perfume, coloring matter, alcohol, polyhydric alcohol, antiseptics, an ultraviolet ray absorbent, a moisturizer, water, etc.

[0020] The lip-stick overcoat of this invention can be manufactured by adding the silica powder and/or alumina powder of the (b) component to the perfluoro polyether of the (a) component, and mixing, and is obtained as a paste-like form.

[0021]

[Effect of the Invention] By having applied the lip stick and applying upwards, the lip-stick overcoat of this invention can improve the durability of the lip stick makeup effect remarkably, and can suppress the adhesion to lip stick tableware etc. Moreover, an effect can be discovered immediately after an

application and the so-called color bleeding to which a lip stick profile becomes indistinct with time can also be stopped, and since it is moreover a paste-like, it can be used simple.

[0022]

[Example] Next, although an example is given and this invention is explained further, this invention is not limited to these examples.

Various kinds of powder shown in an example of examination 1 perfluoro polyether and Table 1 was mixed, the lip-stick overcoat of sample (1) - (8) was prepared, and the adhesion (*****) prevention effect to a cup etc. was evaluated. A result is shown in Table 1.

(Test method) The glass plate was forced and ***** was seen, after applying the lip stick to a length of 3cm twice at the man overarm section and applying a lip-stick overcoat on it. What there does not have no O what is excellent in the ***** prevention effect, and does not have ** and an effect in that a little effective was evaluated as x.

[0023]

[Table 1]

成 分 (部)	試 料							
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
パーフルオロポリエーテル* ¹	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
シリカ* ²	1.7	—	—	—	—	—	—	—
アルミナ* ³	—	1.7	—	—	—	—	—	—
酸化チタン	—	—	1.0	—	—	—	—	—
酸化亜鉛	—	—	—	2.0	—	—	—	—
タルク	—	—	—	—	1.0	—	1.0	—
マイカ	—	—	—	—	—	1.0	—	—
有機変性ベントナイト	—	—	—	—	—	—	1.0	—
色うつり防止効果	○	○	×	×	×	×	×	×

*1 FOMBLIN HC-04

*2 サイロイド55

*3 アルミナAKS-G

[0024] (which mixed a silica or alumina powder among the samples which it is ineffective and mixed various powder by the sample (8) of only a perfluoro polyether so that clearly from the result of Table 1 -- the remarkable ***** prevention effect was accepted in a sample (1) and (2))

[0025] Example 1 (prescription) (% of the weight)

(1) A perfluoro polyether (FOMBLIN HC-04) 92.79 (2) silicas (erotic JIRU R-972) The 5.0 (3) red No. 202 The 0.1 (4) yellow No. 4 0.1(5) mica titanium 2.0 (6) hyaluronic acids Component (2) - (6) is added for 0.01 (process) component (1), and it mixes uniformly. A lip-stick overcoat is manufactured.

[0026] Example 2 (prescription) (% of the weight)

(1) Perfluoro polyether (FOMBLIN HC-04) 80.0 (2) aluminas (alumina AKS-G) 19.0 (3) glycerols It manufactures like 1.0 (process) example 1.

[0027] Example 3 (prescription) (% of the weight)

(1) A perfluoro polyether (FOMBLIN HC-25) 98.8 (2) silicas (erotic JIRU 300) The 1.0 (3) red No. 202 0.1 (4) perfume Make it be the same as that of 0.1 (process) example 1. It manufactures.

[0028] Example 4 (prescription) (% of the weight)

(1) Perfluoro polyether (FOMBLIN HC-25) 99.5 (2) silicas (erotic JIRU 300) It manufactures like 0.5 (process) example 1.

[0029] Example 1 (prescription) of comparison (% of the weight)

(1) Perfluoro polyether (FOMBLIN HC-04) 70.0 (2) aluminas (alumina AKS-G) It manufactures like 30.0 (process) examples 1.

[0030] Example 2 (prescription) of comparison (% of the weight)

(1) Perfluoro polyether (FOMBLIN HC-04) 70.0 (2) glycerols It manufactures like 30.0 (process) examples 1.

[0031] Example 3 (prescription) of comparison (% of the weight)

(1) Perfluoro polyether (FOMBLIN HC-25) 80.0 (2) carboxyvinyl polymers (1% solution) 10.0 (3) sodium hydroxides (1% solution) 2.0 (4) purified waters It manufactures like 8.0 (process) examples 1.

[0032] About the lip-stick overcoat of example of examination 2 examples 1-4, and the examples 1-3 of comparison, the durability and usability of the adhesion (*****) prevention effect to a cup etc. and the makeup effect were evaluated. A result is shown in Table 2.

(Test method)

***** prevention effect: -- I had a usual life lived on the durability:panel of the makeup effect like the example 1 of an examination, and the lip stick was applied to the lip, on it, the lip-stick overcoat of an example has been applied to a half, the thing of the example of comparison has already been applied at the half, and right and left compared the makeup rice cake which is after half a day What there does not have no O what is excellent in the effect, and does not have ** and an effect in that a little effective was evaluated as x.

Usability: The lip stick was applied, the lip-stick overcoat of an example or the example of comparison was applied on it, and the usability of the plain-gauze fibers for plastering of an application and a makeup film, such as homogeneity, was evaluated. what has good usability -- O -- a little, although there was a problem, it evaluated ** and the thing which cannot be used at all for the usable thing as x

[0033]

[Table 2]

	実 施 例				比 較 例		
	1	2	3	4	1	2	3
色うつり防止効果	○	○	○	○	△	×	×
化粧効果の持続性	○	○	○	○	△	×	×
使 用 性	○	○	○	○	×	△	○

[0034] The lip-stick overcoat of this invention was excellent in the durability of the ***** prevention effect and the makeup effect, and, moreover, its usability was also good so that clearly from the result of Table 2.

[Translation done.]